

ABSTRACT OF THE DISCLOSURE

The steam expander a pair of hoppers for supplying expandable loose fill material via a pair of housings into a steam chamber. A paddle is mounted in the chamber to rotate about a central axis and carries a pair of scoops. Each scoop is disposed in spaced relation to the outlets of the housings for scooping loose fill material delivered into the steam chamber peripherally of the steam chamber without creating dust and while creating a space behind the scoop for freshly supplied material. Each housing has a screw with flights of reduced diameter at the inlet from a hopper to create an annular space to receive the loose fill material and avoid the creation of dust.

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